

9. (Thrice Amended) A peptide according to claim 1 wherein the peptide is obtained by post-translational modification of (pro)filaggrin, separation of peptide fragments formed by post-translational modification and subsequent selection of the presence of a modified arginine residue in a peptide, which modified arginine residue was formed during the post-translational modification.

21. (First Amended) A peptide with an amino acid sequence selected from the group consisting of SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:5, SEQ ID NO:6, SEQ ID NO:7, SEQ ID NO:8, SEQ ID NO:9 and SEQ ID NO:10, wherein X therein is a modified arginine residue with a side chain of the formula:



wherein

X is NH_2 , CH_3 , NHCH_3 or $\text{N}(\text{CH}_3)_2$;

Y is O, NH, NHCH_3 or $\text{N}(\text{CH}_3)_2$;

Z is O, NH or CH_2 ; and

$n = 2, 3$ or 4 , on the condition that when $\text{X} = \text{NH}_3$ and $\text{Z} = \text{NH}$, Y is not NH.